

Summary of Ambiguous Sine Law Steps

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9:31 AM

① Sketch situation



② Is the side opp the angle longer than the other given side?

Yes? Then 1 Δ : , solve it

No? then continue on to ③

③ Find the height of Δ



$$h = (\text{given}) \sin \theta$$

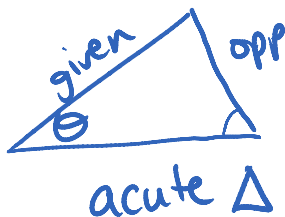
④ Possibilities

- $\text{opp} = h$, then is a right Δ , only one Δ

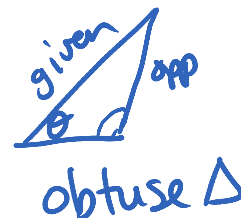


solve it

- $\text{opp} > h$ (but less than given), then 2 Δ s



or



- $\text{opp} < h$



opp can't reach the

• opp



opp can't reach the
bottom if it is
shorter than height